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File: JPAB

Oct 26, 1999

PUB-NO: JP411292021A

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TITLE: SORTER FOR LONG AGRICULTURAL PRODUCT

PUBN-DATE: October 26, 1999

INVENTOR-INFORMATION:

NAME

COUNTRY

SAITO, SADAYASU

INT-CL (IPC): B65B 35/30; B07C 5/36; B65B 25/04; B65B 35/50; B65G 47/52

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a sorter suitable for packaging long agricultural products such as eggplants by aligning their putting directions.

SOLUTION: Eggplants P which are not symmetric in a lengthwise direction are transferred by a selection conveyer 1 with their direction at random, and the agricultural products are discharged to numerous fixed hoppers placed along a transfer direction based on sorted categories and direction. Then, the eggplants P of the same sorted category and the same direction are discharged to be collected in a predetermined number from the plurality of fixed hoppers to movable hoppers 3 which endlessly circulate along a lower portion of the hoppers 3, and further, a group of the eggplants P are discharged from the movable hoppers 3 onto a carry-out conveyer 4 placed to intersect below the movable hoppers 3 to be supplied to a packaging apparatus.

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